Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/22/2019 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124953	-1	1.15	125005	1.17
Blue	F	SSC	125000	125705	0	1.45	126509	1.45
Blue	E	FITC	16122	15782	-3	2.62	343	19.77
Blue	D	PE	29316	28966	-2	1.75	631	14.32
Blue	B	PerCP-Cy5-5	42590	41902	-2	3.49	1128	19.63
Blue	A	PE-Cy7	33146	32577	-2	5.88	620	39.71
Red	C	APC	45473	44941	-2	2.41	1590	11.86
Red	A	APC-Cy7	31961	31078	-3	2.37	819	11.50
Violet	B	V450	7914	7590	-5	4.83	439	12.96
Violet	A	V500	29769	29582	-1	4.61	692	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21265	2.87	604	4	N/A	N/A	Pass
Blue	F	SSC	57150	0.92	546	8	N/A	N/A	Pass
Blue	E	FITC	62	65.09	537	0	0.0213	190	Pass
Blue	D	PE	132	49.42	539	2	0.1836	319	Pass
Blue	B	PerCP-Cy5-5	207	49.06	638	0	0.0098	85	Pass
Blue	A	PE-Cy7	114	98.84	691	0	0.0116	15	Pass
Red	C	APC	379	24.40	582	3	0.0254	121	Pass
Red	A	APC-Cy7	181	28.47	558	2	0.0063	1426	Pass
Violet	B	V450	73	53.22	468	8	0.0530	2077	Pass
Violet	A	V500	104	31.77	481	9	0.0226	580	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.82	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.71	13.60 - 20.40	N/A	N/A	29.56	29.85	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9585

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments